

## SEQUENCE LISTING

<110> Hardham, John Morgan  
Dreier, Kimberly Jean  
Krishnan, Rajendra  
McGavin, David Ross

<120> Vaccine for Periodontal Disease

<130> PC25634

<160> 17

<170> PatentIn version 3.2

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<213> Bacteroides sp.

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<213> *Porphyromonas levii*

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ccgcacaagc ggaggaacat gtggtttaat tcgatgatac gcgaggaacc ttacctggga 180  
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gtaatcgcg atcagccatg 560

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<212> DNA  
<213> *Tannerella forsythensis*

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acatgtggtt taattcgatg atacgcgagg aaccttaccg gggattgaaa tgtagacgac 180  
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<213> *Bacteroides sp.*

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agaaagatta atacccgatg ttgcgtatct ttctcctgaa agatacgcca aaggattccg      180
gtaaccgatg gggatgcgtt ccattaggca gttggcgggg taacggccca ccaaaccttc      240
gatggatagg ggttctgaga ggaagggtccc ccacattgga actgagacac ggtccaaact      300
cctacgggag gcagcagtga ggaatattgg tcaatggacg gaagtctgaa ccagccaagt      360
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ccgcggtaat acggaggatg cgagcgttat ccggatttat tgggtttaaa gggagcgtag      540
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&lt;210&gt; 7

&lt;211&gt; 563

&lt;212&gt; DNA

&lt;213&gt; Bacteroides sp.

&lt;400&gt; 7

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&lt;210&gt; 8

&lt;211&gt; 563

&lt;212&gt; DNA

&lt;213&gt; Bacteroides sp.

&lt;400&gt; 8

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acaatgggga gcacagcagg ttgctacacg gcgacgtgat gccaatccgt aaaactcctc 480
tcagttcgga tcgaagtctg caacccgact tcgtgaagct ggattcgcta gtaatcgcg 540
atcagccacg gcgcggtgaa tac 563

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&lt;210&gt; 9

&lt;211&gt; 565

&lt;212&gt; DNA

&lt;213&gt; Bacteroides sp.

&lt;400&gt; 9

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ccgcacaaag cggaggaaca tgtggtttta ttcgatgata cgcgaggaac cttaccggg 180
cttaaattgc gctggctttt accggaaacg gtattttctt cggaccagcg tgaaggtgct 240
gcatggttgt cgtcagctcg tgccgtgagg tgtcggctta agtgccataa cgagcgcaac 300

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ccttatcttt agttactaac agttttgctg aggactctaa agagactgcc gtcgtaagat   360
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gttacaatgg ggagcacagc aggttgctac acggcgacgt gatgccaatc cgtaaaactc   480
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<212> DNA
<213> Bacteroides sp.

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ccgcacaagc ggaggaacat gtggtttaat tcgatgatac gcgaggaacc ttaccggggc   180
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ttacaatggg gagcacagca ggttgctaca cggcgacgtg atgccaatcc gtaaaactcc   480
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<223> n is a, c, g, or t

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gcccgcacaa gcggaggaac atgtggttta attcgatgat acgcgaggaa ccttaccggg   180

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gcttaaattg cgctggcttt taccggaac ggtatcttct tcggaccagc gtgaaggtgc 240
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ttaaattgcy ctggctttta ccggaaacgg tatcttcttc ggaccagcgt gaaggtgctg 240
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cttatcttta gttactaaca gttttgctga ggactctaaa gagactgccg tcgtaagatg 360

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cgaggaaggt ggggatgacg tcaaatcagc acggccctta cgtccggggc tacacacgtg	420
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ttatctttag ttactaacag ttttgctgag gactctaaag agactgccgt cgtaagatgc	360
gaggaaggtg ggggatgacgt caaatcagca cggcccttac gtccggggct acacacgtgt	420
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ttacaatggg gagcacagca gggtgctaca cggcgacgtg atgccaatcc gtaaaactcc	480
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<210> 16  
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<220>  
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20

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<220>  
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19